

What is claimed is:

1. A fiber product comprising:
 - (a) an acid treated seed based fiber material having:
 - (i) a total cellulose character of at least 50%.
2. A fiber product according to claim 1 wherein:
 - (a) the acid treated seed based fiber material has a ratio of cellulose character to hemicellulose character of at least 2:1.
3. A fiber product according to claim 2 wherein:
 - (a) the acid treated seed based fiber material comprises acid treated corn fiber; and,
 - (b) the acid treated corn fiber has a total cellulose character of at least 60%.
4. A fiber product according to claim 3 wherein:
 - (a) the acid treated corn fiber material has a total hemicellulose character of at least 5%; and,
 - (b) the acid treated corn fiber material has a ratio of cellulose character to hemicellulose character of at least 5:1.
5. A fiber product according to claim 2 wherein:
 - (a) the acid treated seed based fiber material comprises acid treated soy fiber; and,
 - (b) the acid treated soy fiber has a total cellulose character of at least 50%.
6. A fiber product according to claim 5 wherein:
 - (a) the acid treated soy fiber material has a ratio of cellulose character to hemicellulose character of at least 2:1.

7. A fiber product according to claim 2 wherein:
 - (a) the acid treated seed based fiber material comprises acid treated oat fiber; and,
 - (b) the acid treated oat fiber has a total cellulose character of at least 60%.
8. A fiber product according to claim 7 wherein:
 - (a) the acid treated oat fiber has a total hemicellulose character of at least 5%; and,
 - (b) the acid treated oat fiber has a ratio of cellulose character to hemicellulose character of at least 4:1.
9. A fiber product according to claim 1 wherein:
 - (a) the acid treated seed based fiber material comprises acid treated material selected from the group consisting essentially of: acid treated corn fiber; acid treated oat fiber; acid treated soy fiber; and, mixtures thereof.
10. A fiber product according to claim 1 wherein:
 - (a) said acid treated seed based fiber material comprises fiber material resulting from a process including steps of:
 - (i) washing seed based fiber with a dilute acid solution, including at least about 0.1% acid by dry weight of the seed based fiber;
 - (ii) treating the material resulting from step 10(a)(i) with acid chlorite; and,
 - (iii) treating the material resulting from step 10(a)(ii) with peroxide.
11. A fiber product comprising:
 - (a) a ground, acid treated, seed based fiber material having a bloomed surface appearance when examined by SEM at 100X.

12. A paper product including:
 - (a) 0.1 to 10% of acid treated seed based fiber material, based on a remainder of fiber content in a papermaking composition from which the paper is formed.
13. A paper product comprising:
 - (a) pulp fibers; and,
 - (b) an acid treated seed based fiber material.
14. A paper product according to claim 13 wherein:
 - (a) the acid treated seed based fiber material has a total cellulose character within the range of 50-85%.
15. A paper product comprising:
 - (a) paper fibers at least partially coated with a modified seed based fiber material with the seed based fiber material oriented along the paper fibers; the seed based fiber material being a modified feed based fiber material having a total cellulose character of at least 50%.
16. A paper product according to claim 15 wherein:
 - (a) the modified seed based fiber material is selected from the group consisting essentially of: modified corn fiber; modified oat fiber; modified soy fiber; and, mixtures thereof.
17. A food product comprising:
 - (a) flour; and,
 - (b) at least 0.5% of an acid treated seed based fiber material, by wt. of flour present in a mix from which the food product is formed.

18. A food product according to claim 17 comprising:
 - (a) at least 3% of the acid treated seed based fiber material, by wt. of flour present in a mix from which the food product is formed.
19. A food composition comprising:
 - (a) at least 0.5% by wt., on the basis of total ingredients, unprocessed, of acid treated seed based fiber material having a total cellulose character of at least 50%.
20. A food composition comprising:
 - (a) at least 0.5% by wt., on the basis of total ingredients, unprocessed, of acid treated seed based fiber material having a total cellulose character of at least 50%.